



Chapter V





Air Force Research Laboratory Autonomy Science & Technology Strategy

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With the support from many AFRL Scientists and Researchers

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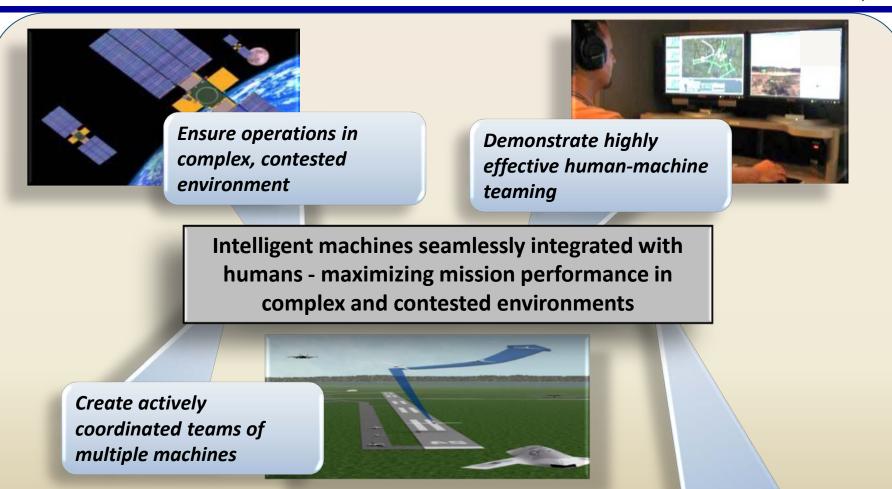


Integrity ★ Service ★ Excellence



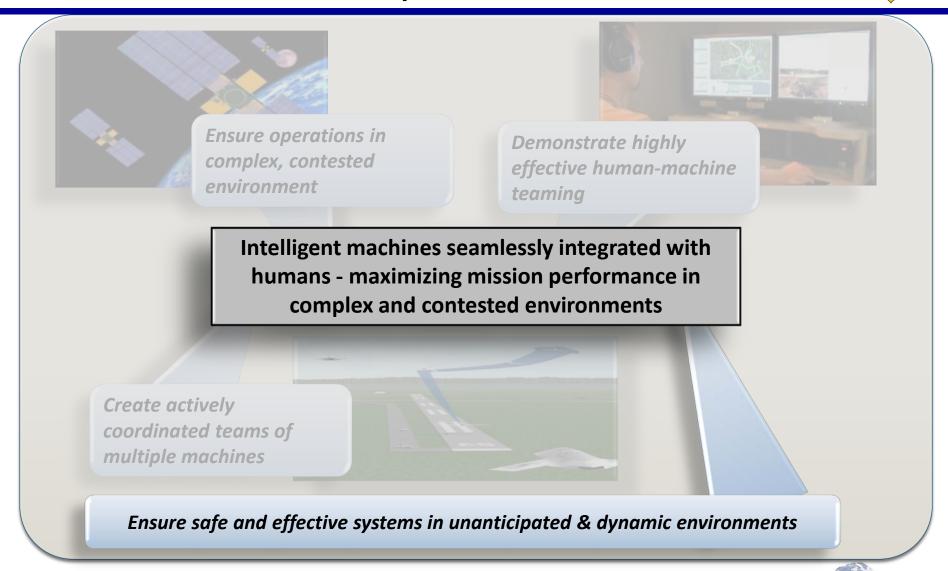
AFRL Autonomy Vision & Goals





Ensure safe and effective systems in unanticipated & dynamic environments

AFRL Autonomy Test & Evaluation, Verification & Validation



AFRL Autonomy Test & Evaluation, Verification & Validation

ENDURING PROBLEMS

- Provide assurance for machine intelligence and decision-making in complex, uncertain, and dynamic environments
- Develop methods to ensure reliability of human-machine communication and interaction
- Develop rigorous and verifiable architecture systems for data centric autonomous systems
- Develop methodology to V&V fractionated and composable systems

multiple machines

Ensure safe and effective systems in unanticipated & dynamic environments





